

Sheet 1 of 1 (11/28/01)

APPLICATION NO.  
New

(Use several sheets if necessary)

APPLICANT  
SUIGIURA, Hiroaki et al.

FILING DATE
November 28, 2001

GROUP	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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U. S. PATENT DOCUMENTS

[illegible]

# FOREIGN PATENT DOCUMENTS

[illegible]

## OTHER DOCUMENTS

**OTHER DOCUMENTS** (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.


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Sheet 1 of 1 (5/17/02)

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY DOCKET NO.

1190-0532P

APPLICATION NO.

09/994,761

APPLICANT

SUGIURA, et al.

FILING DATE

November 28, 2001

GROUP

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	4,989,079	1991-01-29	Ito			
	5,588,050	1996-12-24	Kagawa, et al.			

**FOREIGN PATENT DOCUMENTS**

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
						YES	NO
	JP 7170404	1995-07-04	JAPAN			ABS	

**OTHER DOCUMENTS**

(Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)


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Sheet 1 of 1 (12/16/02)

Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	ATTY DOCKET NO. 1190-0532P	APPLICATION NO. 09/994,761
	APPLICANT SUGIURA, Hiroaki et al	
	FILING DATE November 28, 2001	GROUP 2622

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 4,887,150	B1	1989-12-12	Chiba et al.			
	US 4,740,833	B1	1988-04-26	Shiota et al.			
	US 5,436,733	B1	1995-07-25	Terada et al.			
	US 5,933,252	B1	1999-08-03	Emori et al.			
	US 5,659,406	B1	1997-08-19	Imao et al.			
	US 6,434,268	B1	2002-08-13	Asamura et al.			
	US						
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**FOREIGN PATENT DOCUMENTS**

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	EP	1028586	A	2000-08-16	EP				
	JP	7-023245		1995-01-24	JP			Abs	
	JP	11-17974		1999-01-22	JP			Abs	
	JP	8-321964		1996-12-03	JP			Abs	
	JP	5-183742		1993-07-23	JP			Abs	
	JP	5-48885		1993-02-26	JP			Abs	
	JP	63-227181		1988-09-21	JP			Abs	
	JP	2-30226		1990-07-05	JP				

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1190-0532P

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Sheet 1 of 1 (9/20/04)

Form PTO-1449

**INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION**

(Use several sheets if necessary)

ATTY. DOCKET NO.  
1190-0532P

APPLICATION NO.  
09/994,761

APPLICANT  
Hiroaki SUGIURA et al.

FILING DATE  
November 28, 2001

GROUP  
2622

**U.S. PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 5,255,083	A	1993-10-19	CAPITANT, et al.			
	US 5,349,452	A	1994-09-20	MAEDA, et al.			
	US 5,751,449	A	1998-05-12	NOBUTA			
	US 5,881,168	A	1999-03-09	TAKAOKA, et al.			
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**FOREIGN PATENT DOCUMENTS**

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	EP	0665680	A2	1995-08-02	EUROPE			X	
	EP	0961481	A2	1999-12-01	EUROPE			X	

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Sheet 1 of 1 (12/9/04)

Form PTO-1449

INFORMATION DISCLOSURE CITATION  
IN AN APPLICATION

(Use several sheets if necessary)

ATTY. DOCKET NO.  
1190-0532P

APPLICATION NO.  
09/994,761

APPLICANT  
Hiroaki SUGIURA et al.

FILING DATE  
November 28, 2001

GROUP  
Unassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	US 5,243,447		1993-09-07	Bodenkamp et al.			
	US 5,940,089		1999-08-17	Dilliplane et al.			
	US 5,987,167		1999-11-16	Inoue			
	US 6,421,094	B1	2002-07-16	Han			

FOREIGN PATENT DOCUMENTS

	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
								YES	NO
	EP	0 837 601	A2	1998-04-22	EUROPE			X	
	KR	10-0244227	B1	1999-11-22	KOREA				Abs

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